We can fly, you and I

INTERDISCIPLINARY LEARNING ACTIVITIES

Design art that depicts what airports will look like in the future.

Science Create a classroom simulation of an airport terminal. Collect and interpret weather maps from the local newspapers. Discuss what kinds of science would be important for pilots to study and understand. Why? Discuss why weather is an important factor for aircraft to fly safely. List and discuss environmental concerns when constructing a new airport in any community. **Mathematics** Discuss what the numbers on a runway mean. If traveling to different times zones, determine what the local time will be when reaching the destination. Make a graph comparing the distances flown by the rotor motor, bag balloon, and delta wing glider. Determine how many years elapsed between different time line events. **Technology Education** Discuss technology that contributes to airport safety. Discuss the importance of computers on aircraft and in airports. Fine Arts Make a mobile using aviation as a theme. Design or draw the layout of an airport.

Social Studies

- Undertake a field trip to the local airport.
- Create an advertisement to market your privately owned airline.
- Debate possible locations for a new airport in your community.
- Research the history of your local airport.
- Invite airport employees, or pilots, to speak to students about their careers in aviation/aerospace.
- Discuss careers available in the aviation field.
- Interview airport employees.
- Research the development of airports. How have airports changed?

Language Arts

- Write an imaginary conversation between the control tower and pilot.
- Fill out a logbook as if you were a pilot for an airline.
- Role-play as a newspaper reporter at a major historical aviation event.
- Write a story about an aviation-related job.
- Imagine you are a pilot or navigator; you just completed an adventurous flight, and you are describing the flight for a television news program.

Health/Physical Education

- Discuss the feelings experienced when flying in an airplane.
- Determine how long it will take to walk or run the distance of a typical airport runway (.6 3.0 km).
- Determine how many students standing shoulder-to-shoulder it takes to equal the wingspan of these aircraft: 747 airliner (60.3 m wingspan), F-15 Eagle (13.2 m wingspan), and X-15 rocket airplane (6.8 m wingspan).